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DESCRIPTORS: \*Semiconductors, \*Gallium compounds,  
\*Phosphides, Decomposition, Pressure, Crystallization,  
Temperature, Phosphorus, Vapor pressure.

The temperature dependence of the decomposition  
pressure of gallium phosphide expressed in the following  
terms has been determined

$$\lg P = - \frac{10770}{T} + 9,996.$$

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